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**TO:** Examiner Vincent Rudolph

**FROM:** James Carpenter - Fitzpatrick, Cella, Harper & Scinto

**RE:** App. No. : 09/839,158

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**DATE:** 5-12-2009

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**TIME:** 10:10 am

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Attached: Interview agenda pages 1-11

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### Interview Agenda\*

1. Discuss the invention

(a) Two Available Modes from a Single Print Data

(1) First mode prints out a single print-out format.

- printing a document with a single print-out with a specified lay-out

(2) Second mode prints out multiple formatted documents.

- printing a document with multiple lay-outs, i.e. a single print job prints

out both a print-out with a single page on one side of the paper and  
another print-out that prints two pages on one side of the page with  
both print-outs being the same document.

2. Discuss the proposed amendments to Claims 43, 49, 73, 77, 84, and 85 (see pages 2-11).

3. Discuss the § 102 rejection vis-à-vis amended 43, 49, 73, 77, 84, and 85.

(a) Al-Kazily et al. (U.S. Pat. No. 6,621,589)

- Prints a single print-out with the ability to have different layouts in the single  
document.

\*The personal interview is scheduled for Wednesday, May 13, 2009, at 11:00 AM.

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Proposed Amendments

1-42. (Cancelled)

43. (Previously Presented) An information processing apparatus capable of communicating with a printing apparatus for executing a printing operation, the information processing apparatus comprising:

setting means for setting, via a GUI in the information processing apparatus, a first mode with a single print-out format for single print data, or second mode with a plurality of different print-out formats for single print data;

producing means for producing a print job to be printed by the printing apparatus in accordance with the mode set by said setting means, the print job including a command part describing a group of job commands and a print data part describing print data by a print language; and

sending means for sending the print job produced by said producing means to the printing apparatus,

wherein, in the second mode, the group of job commands includes a print control command for enabling the printing apparatus to execute a printing operation of the plurality of different print-out formats from the single print data described in the print data part, and

wherein, in the printing apparatus, the printing operation for the print-out format is executed producing a print-out result from the single print data for a print job produced in

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accordance with the first mode, and the printing operation for the plurality of different print-out formats is executed producing a plurality of print-out results from the single print data for a print job produced in accordance with the second mode.

44. (Cancelled)

45. (Previously Presented) An information processing apparatus according to Claim 43, wherein the plurality of different print-out formats includes one format in which one page is printed out on one sheet and another format in which a plurality of pages are printed out on one sheet.

46-48. (Cancelled)

49. (Proposed Amendment) A method of controlling an information processing apparatus capable of communicating with a printing apparatus, for executing a printing operation, said method comprising:

a setting step for setting, via a GUI in the information processing apparatus, a first mode with a single print-out format for single print data, or second mode with a plurality of different print-out formats for single print data;

a producing step for producing a print job to be printed by the printing apparatus in

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accordance with the mode set by said setting means, the print job including a command part describing a group of job commands and a print data part describing print data by a print language; and

a sending step for sending the print job produced in said producing step to the printing apparatus,

wherein, in the second mode, the group of job commands includes a print control command for enabling the printing apparatus to execute a printing operation of the plurality of different print-out formats from the single print data described in the print data part, and

wherein, in the printing apparatus, the printing operation for the print-out format is executed producing a print-out result from the single print data for a print job produced in with the first mode, and the printing operation for the plurality of different print-out formats is executed producing a plurality of print-out results from the single print data for a print job produced in accordance with the second mode.

50. (Cancelled)

51. (Previously Presented) A method according to Claim 49, wherein the plurality of different print-out formats includes one format in which one page is printed out on one sheet and another format in which a plurality of pages are printed out on one sheet.

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52-72. (Cancelled)

73. (Proposed Amendment) An information processing apparatus capable of producing a print job to be printed by a printing apparatus, the print job including a command part and a print data part, the information processing apparatus comprising:

user interface means for setting a first print setting and a second print setting from the information processing apparatus so that the printing apparatus can output the print data part included in one print job in a first output format and in a second output format, respectively;

setting means for setting a first print control command to specify the first output format based on the first print setting and a second print control command to specify the second output format based on the second print setting to the command part included in the print job so that the printing apparatus can output the print data part included in the print job in the first output format and in the second output format, respectively;

producing means for producing the print job including the command part and the print data part, the command part including the first and the second print control commands set by said setting means; and

sending means for sending the print job produced by said producing means to the printing apparatus,

wherein, in the printing apparatus, a printing operation of the first output format based on the first print setting which produces a print-out result and a printing operation of the second

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output format based on the second print setting which produces a plurality of print-out results are executed by using the print data part of the same print job.

74. (Previously Presented) An information processing apparatus according to Claim 73, wherein the first output format and the second output format are different N-up layout printings.

75-76. (Cancelled)

77. (Proposed Amendment) An information processing method capable of producing a print job to be printed by a printing apparatus, the print job including a command part and a print data part, the information processing method comprising:

a user interface step for setting a first print setting and a second print setting so that the printing apparatus can output the print data part included in one print job in a first output format and in a second output format, respectively;

a setting step for setting a first print control command to specify the first output format based on the first print setting and a second print control command to specify the second output format based on the second print setting to the command part included in the print job so that the printing apparatus can output the print data part included in the print job in the first output format and in the second output format, respectively;

a producing step for producing the print job including the command part and the print

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data part, the command part including the first and the second print control commands set in said setting step; and

a sending step for sending the print job produced in said producing step to the printing apparatus,

wherein, in the printing apparatus, a printing operation of the first output format based on the first print setting which produces a print-out result and a printing operation of the second output format based on the second print setting which produces a plurality of print-out results are executed by using the print data part of the same print job.

78. (Previously Presented) An information processing method according to Claim 77, wherein the first output format and the second output format are different N-up layout printings.

79-80. (Cancelled)

81. (Previously Presented) A computer readable medium storing a control program for implementing the method according to Claim 49.

82. (Previously Presented) A computer readable medium storing a control program for implementing the method according to Claim 77.



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83. (Cancelled)

84. (Proposed Amendment) A printing system comprising an information processing apparatus and a printing apparatus,

wherein the information processing apparatus and the printing apparatus are connected through a communication medium,

wherein the information processing apparatus comprises:

user interface means for setting a first print setting and a second print setting so that a print data part included in one print job is output in each of a first output format and a second output format;

setting means for setting a print control command to specify the first output format based on the first print setting and a print control command to specify the second output format based on the second print setting to a command part included in the one print job, in order to output the print data part included in the one print job in each of the first output format and the second output format;

producing means for producing the one print job including the command part and the print data part, the command part including a print control command set by the setting means; and

sending means for sending the one print job produced by the producing means to the printing apparatus, and

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wherein the printing apparatus comprises:

receiving means for receiving the one print job including the command part and the print data part from the information processing apparatus;

interpreting means for interpreting the command part included in the one print job;

producing means for producing print image data from the print data part included in the one print job in accordance with the interpretation of the command data by the interpreting means; and

printout performing means for performing a printout on a printing medium based on the print image data produced by the producing means,

wherein the producing means produces the print image data of the first output format from the print data part by the interpretation of the interpreting means for the first print setting included in the command part to produce a print-out result, and produce the print image data of the second output format from the print data part by the interpretation of the interpreting means for the second print setting included in the command part to produce a plurality of print-out results.

85. (Proposed Amendment) An information processing method and a printing method, wherein the information processing method comprises:

a user interface step for setting a first print setting and a second print setting so that

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a print data part included in one print job is output in each of a first output format and a second output format;

a setting step for setting a print control command to specify the first output format based on the first print setting and a print control command to specify the second output format based on the second print setting to a command part included in the one print job, in order to output the print data part included in the one print job in each of the first output format and the second output format;

a producing step for producing the one print job including the command part and the print data part, the command part including a print control command set by the setting means; and

a sending step for sending the one print job produced by the producing means to a printing apparatus, and

wherein the printing method comprises:

a receiving step for receiving the one print job including the command part and the print data part from an information processing apparatus;

an interpreting step for interpreting the command part included in the one print job;

a producing step for producing print image data from the print data part included in the one print job in accordance with the interpretation of the command data in the interpreting step; and

a printout performing step for performing a printout on a printing medium based on

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the print image data produced in the producing step,

wherein the producing step produces the print image data of the first output format from the print data part by the interpretation in the interpreting step for the first print setting included in the command part to produce a print-out result, and produce the print image data of the second output format from the print data part by the interpretation in the interpreting step for the second print setting included in the command part to produce a plurality of print-out results.

86. (Previously Presented) A computer readable medium storing a control program for implementing the method according to Claim 85.

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